

Students experience hands-on space research

By Monica Cervantes, Lyndi Garrett

Twelve high school students are spending their summer vacation learning first hand what it is like to work at JSC.

Through JSC's Summer High School Apprentice Research Program, or SHARP, students are experiencing what it is like to have a career in science, engineering or mathematics.

"The program solidified my idea of becoming an engineer," said Thau Nguyen, a former SHARP student and second year co-op. "Working as a SHARP student, I learned to set higher goals for myself because I worked under a very challenging environment; it also instilled upon me responsibility, dedication and the values of a good education."

As apprentices, the students learn and earn. Students are assigned a mentor and given projects to complete within the time span of eight weeks. These projects can range from constructing a computer model of the gas, water and waste management systems of the Human-Rated Regenerative Life Support Systems Test Facility to determining whether structural alterations of DNA occur after exposure to defined levels of radiation.

"It's exciting knowing that I, a high school student, have the ability to make a substantial amount of difference in NASA's on-going space exploration," said student Joseph Camp.

"While the result of the student's work is helpful to us in obtaining our research goals, I feel that our research group has benefited even more from the day-to-day interaction with a young student so interested in science," said Mentor Melody Anderson.

This year's participants are: D'Andrea Anders, Biomedical Hardware Development and Engineering Office; Joseph Camp, Avionics Systems Division; Monica Cervantes, Simulator Operations and Technology Division; Sophia Edukere, Aerospace and Flight Mechanics Division; Juliet Galvez, Crew and Thermal Systems Division; Lyndi Garrett, Vehicle Office; Charles Goff, Safety and Mission Assurance Office; Hassan Hillard, Information Systems Office; JaMail Johnson, Manufacturing, Materials, and Process Technology Division; Beverly Karhson, Advanced Developments Office; Xenia Murray, Flight Design and Dynamics Division; and Rima Patel, Medical Sciences Division.



Hoffman

Hoffman moves to Paris

By Eileen Hawley

Veteran astronaut Jeff Hoffman is leaving the Astronaut Corps after five space shuttle flights to become NASA's European representative in Paris.

"Jeff's contributions over the past 19 years have been extremely valuable to the astronaut corps, and we will certainly miss him," said Dave Leestma, director of Flight Crew Operations. "We are pleased that he will continue to provide his expertise to the agency in his new role."

Hoffman was selected as an astronaut in 1978. On STS-51D in April 1985, he made the first contingency space walk of the space shuttle era, attaching a 'fly-swatter' device to the shuttle's robot arm in an

attempted rescue of the Leasat satellite. He then flew on STS-35, a dedicated astronomy mission in December 1992 onboard *Columbia*. He was the payload commander for STS-46, the first flight of the Tethered Satellite System in July 1992, and flew again on STS-75 in March 1996 for the Tethered Satellite reflight. Hoffman also was one of four space walking astronauts for the first Hubble Space Telescope servicing mission in 1993 during the STS-61 mission. In his five space flights, Hoffman has logged more than 1,200 hours in space and traveled more than 21.5 million miles.

In his new position, Hoffman will be responsible for monitoring the implementation of NASA policies and relationships with the European space and aeronautical communities, as well as governmental, industrial and academic institutions.

Employees earn top honors

JSC employees were honored July 15 to receive NASA's highest awards.

Each recipient of a NASA medal was presented with a framed certificate signed by NASA Administrator Daniel S. Goldin. Individuals selected to receive Group Achievement Awards on their team's behalf received a framed certificate at the ceremony. JSC Director George Abbey made the presentations with the assistance of Deputy Administrator Gen. John R. Dailey.

The following individuals received awards.

Senior Executive Service Meritorious Executive Award

Harvey Hartman, Henry Hartsfield, Tommy Holloway and Sam Pool.

NASA Distinguished Service Medal

Tom Akers, Jay Apt, John Casper, Franklin Chang-Díaz, Tom Henricks, Jeff Hoffman, Tammy Jernigan, Shannon Lucid, and Story Musgrave.

NASA Outstanding Leadership Medal

John Aaron, Andy Allen, John Beall, Doug Blanchard, Jack Boykin, Randy Brinkley, Kevin Chilton, Ken Cockrell, Doug Cooke, Ron Dittimore, Brian Duffy, Randy Gish, Susan Helms, James Hickmon, Elric McHenry,

Bill Readdy and Ron Sega.

NASA Exceptional Scientific Achievement Medal

Everett Gibson, David McKay and Kathie Thomas-Keprta of Lockheed Martin.

NASA Exceptional Service Medal

Pleddie Baker, Curtis Brown, Daniel Bursch, Mary Chesler, Leroy Chiao, Michael Clifford, Diane Costello, Margaret Coward, Stanley Donahoe, Heibert Epps, Richard Fullerton, Marc Garneau, Linda Godwin, John Grunsfeld, Bernadette Hajek, Richard Jones, Tom Jones, Jessica Kite, Vickie Kloeris, Kevin Kregel, Arnold Levine, Ladonna Miller, Rhonda Moore, Claude Nicollier, Ellen Ochoa, William Parkan, Barbara Pearson, Ken Rominger, Mario Runco, Richard Searfoss, Daniel Sedej, Dan Tam, Sharon Thomas, James Van Laak, Carl Walz, Terry Wilcutt, Ronald Williams and Kenneth Wong.

NASA Exceptional Achievement Medals

John Breitenbach, Linda Bromley, Edgar Castro, Bernestine Dickey, John Hooper, Burt Laws, Michelle MacFadyen, Lili Moore, Larry Neu, Donald Noah, Julie Pate, Bernard Rosenbaum, Karl Schuler, and Steven Swanson.

NASA Public Service Medals

Louis Cazes of Lockheed Martin, Mike Gentry of Information Dynamics Inc., Charles Reinhartsen

of the Clear Lake Economic Development Foundation, John Schuessler of McDonnell Douglas, David Short of Baylor College of Medicine and Bill Taylor of Information Dynamics Inc.

NASA Group Achievement Award

Extravehicular Activity Development Flight Test Program Team, Global Positioning System Attitude and Navigation Experiment Team, Orbiter Light Weight Seat Project Team, Orbiter Operations Maintenance Requirements and Specification Document Review Team, Russian Negotiations Team for Space Station, Space Flight Operations Contract Acquisition Team Space Station Common Berthing Mechanism Thermal Vacuum Test Fixture Manufacturing Team, T-38 Inlet Redesign Team, White Sands Test Facility Chargeback Team and White Sands Test Facility Depot Operations Group.

NASA Public Service Group Achievement Award

Lockheed Martin Aircraft Simulation and Information Systems – Lockheed Martin, Mission Control Center Emergency Power Building Operating Team–Brown and Root Services/ Pioneer, and Sonny Carter Training Facility Neutral Buoyancy Laboratory Development Team–McDonnell Douglas Aerospace.

People on the Move

Human Resources reports the following personnel changes as of July 1:

Additions

Christopher Madsen joins the Engineering Directorate as a fluid and flight mechanics engineer.

Reassignments

Lucy Ruiz moves from the Office of the Director to Engineering as a secretary. Patricia Dickson moves from the Business Management Directorate to Information Services as a support services specialist. Calvin Jackson moves to the Stennis Space Center.

Promotions

Linda Dunn and Mary Thomas were promoted to purchasing agents in the Business Management Directorate.

Resignations

Connie Hutchinson, Flight Crew Operations. Matthew Rosenthal of Mission Operations. Andrew Sylvester of Engineering.

Retirements

Keith Ulrich, Business Management Directorate, 9 years.

Deaths

Todd Breed of the International Space Station Program Office. Howard Renfro, Business Management Directorate. Terri Hesse of the Technology Transfer and Commercialization Office.

Corrections to the July 4 People on the move

Arthur Beal was promoted to supervisory engineer of research piloting in Flight Crew Operations.

Ven Feng was promoted to a flight systems engineer in the International Space Station Program Office.

Charles Harris was promoted to a supervisory engineer of aerospace flight systems in the Space and Life Sciences Directorate.

Michael Manering was promoted to a technical management engineer in the Space Operations Management Office.

Frequent flyer accounts move from travel office

Employees who are enrolled in JSC's frequent flyer program will now have access to accounts within their own offices.

For a number of years, the Travel Office has maintained a centralized file. The program was initiated as a cost-saving tool and more than 1,200 employees are enrolled.

"Due to the effort required to maintain a centralized program and our limited available resources and

at the request of a major directorate, employee accounts will be transferred to the individual directorates," said Center Operations Director Jim Hickmon. "Each directorate may choose to maintain their own system or distribute the accounts to the individual employees."

The Travel Office will work with travel coordinators to ensure the transition of accounts is accurate and complete. Employees should

note that this change in procedure in no way changes the rules for use of frequent flyer benefits gained as a result of government travel.

Frequent travel benefits earned in connection with official travel may be used only for official travel. Employees may not retain and use such benefits for personal travel.

Questions concerning the transition should be directed to Rose Gardner-DeLapp at x30331.

Dates & Data

July 19

NTA meets: The National Technical Association will meet at 10 a.m. July 19 at Texas Southern University School of Technology, Rm. 316. For more information call Pam Denkins at x35272.

July 23

Spaceland Toastmasters meet: The Spaceland Toastmasters will meet at 7 a.m. July 23 at the House of Prayer Lutheran Church. For more information, call Jeannette Darcy at x45752.

Communicators meet: The Clear Lake Communicators will meet at 11:30 a.m. July 23 at the Lockheed Martin, 555 Forge River Road. For more information, contact Richard Lehman at (281) 538-1854.

Spaceteam Toastmasters meet: The Spaceteam Toastmasters will meet at 11:30 a.m. July 23 at United Space Alliance, 600 Gemini. For details, call Pat

Blackwell at (281) 282-4302.

Astronomy seminar: The JSC Astronomy Seminar will meet at noon July 23 in Bldg. 31, Rm. 129. An open discussion meeting is planned. For more information, contact Al Jackson at x35037.

July 24

Hurricane chat: The Emergency Operations Center will host a hurricane chat at 6 p.m. July 24 at the Celebrity Chat room located at <http://chat.storm97.com/cgi-bin/echat/login> Robert Sheets, former director of the National Hurricane Center will be the featured expert. For more information call Bob Gaffney at x34249.

July 31

Radio club meets: The JSC Amateur Radio Club will meet at 7 p.m. July 31 at Piccadilly Cafeteria, 2465 Bay Area Blvd. For details call Larry Dietrich at x39198.

Aug. 8

Astronomers meet: The JSC Astronomical Society will meet at 7:30 p.m. Aug. 8 at the Lunar and Planetary Institute, 3600 Bay Area Blvd. For more information call Chuck Shaw at x35416.

Aug. 12

Aero club meets: The Bay Area Aero Club will meet at 7 p.m. Aug. 12 at the Houston Gulf Airport clubhouse at 2750 FM 1266 in League City. For more information call Larry Hendrickson at x32050.

Aug. 13

MAES meets: The Society of Mexican American Engineers and Scientists will meet at 11:30 a.m. Aug. 13 in Bldg. 13, Rm. 156. For more information call G.D. Valle at x38835.

PSI meets: The Clear Lake/ NASA Area Chapter of Professional Secretaries International will meet at

5:30 p.m. Aug. 13 at the Holiday Inn, NASA Road 1. Dinner costs \$15. For more information call Elaine Kemp at x30556.

Aug. 14

Airplane club meets: The Radio Control Airplane Club will meet at 7:30 p.m. Aug. 14 at Clear Lake Park Community Bldg. For more information call Bill Langdoc at x35970.

Aug. 18

Quality talk: The Victoria Group will host a quality seminar at 8 a.m. Aug. 18 at the Silver Moon Cafe at Space Center Houston. ISO 9000 Director Lee Norbraten will be the featured speaker. Reservations are due Aug. 4. For reservations and information call 1-800-845-0567.

Aug. 20

Scuba club meets: The Lunarfans will meet at 7:30 p.m. Aug. 20 at the Redfish Restaurant under the

Kemah/Seabrook bridge, Seabrook side. For more information call Fred Toole at x33201.

Aug. 21

Directors meet: The Space Family Education board of directors will meet at 11:30 a.m. Aug. 21 in Bldg. 45, Rm. 712D. For more information on this open meeting call Gretchen Thomas at x37664.

Aug. 23

Open house: JSC will open its doors to the public from 9 a.m.-4 p.m. Aug. 23. For more information call John Lawrence at x35111.

Sept. 8

Thermal and fluids workshop: The Engineering Directorate will host the eighth annual Thermal and Fluid Analysis Workshop from Sept. 8-13 at the University of Houston Clear Lake. For more information call Carlos Ortiz at x38879.